

IN THE SPECIFICATION:

Please amend the specification as follows:

On page 1, please amend the paragraph beginning on line 27, as follows:

To meet such a demand, the development of projection display devices, such as liquid crystal projectors, is accelerated at present. In the projection display device, light from a light source is decomposed into three primary color components of red (R), green (G) and blue (B) and each colored light is then directed onto a corresponding one of the liquid crystal light bulbs panels.

On page 2, please amend the paragraph beginning on line 8, as follows:

Each of these light bulbs panels is driven by a respective one of the R, G and B image signals to produce image light modulated by the image signal. The rays of image light output from the liquid crystal light bulbs panels are combined and then enlargement projected through a projection lens onto a screen for image reproduction.

On page 2, please amend the paragraph beginning on line 23, as follows:

The cooling of the interior of the optical engine is performed mainly on polarization conversation elements, input and output polarizing plates, and the liquid crystal light bulbs panels. In many cases, these parts, unlike lenses and mirrors, are not composed of inorganic materials only. When the parts rise in temperature, not only is their life shortened, but also the performance required of them as products cannot be maintained.

On page 4, please amend the paragraph beginning on line 14, as follows:

In this case, if the air duct is bent, there will be produced nonuniformity in the quantity of air finally blown out of the outlet of the air duct. For this reason, the input and output polarizing plates and the liquid crystal light bulb panel will each have sufficiently

cooled portions and insufficiently cooled portions. This has an adverse effect on the quality of a displayed image.

On page 4, please amend the paragraph beginning on line 27, as follows:

With this disclosed configuration, however, it is required to blow air directly from the fan onto the parts to be cooled. This makes it necessary to place the fan in the proximity of the input and output polarizing plates and the liquid crystal light bulb-panel. The configuration is therefore not suited for use with projection display devices with downsizing requirements.

On page 5, please amend the paragraph beginning on line 9, as follows:

According to an aspect of the present invention, there is provided a projection display device comprising: a light source, a display section configured to receive light from the light source and output image light modulated with an image signal; a projection device configured to project the image light output from the display section; a duct device having an air duct for conducting air from an air intake to an air discharge section and an air chamber which is formed downstream of the air discharge section in the air duct and configured to blow such that cooling air blows from the air discharge section toward the display section; and an air blower configured to blow cooling air into the air intake.

On page 7, please amend the paragraph beginning on line 11, as follows:

The light reflected by the reflecting mirror 16 is directed onto a dichroic mirror 17 that reflects blue light. The blue light is directed through a condenser lens 18, a reflecting mirror 19, a field lens 20, and an input polarizing plate 21 onto a liquid crystal light bulb panel 22.

On page 7, please amend the paragraph beginning on line 17, as follows:

The liquid crystal light ~~bulb panel~~ 22 has an image display screen driven by a blue image signal. By being irradiated with the blue light, the liquid crystal light ~~bulb panel~~ 22 outputs image light modulated with the blue image signal, which in turn falls on an output polarizing plate 23.

On page 7, please amend the paragraph beginning on line 23, as follows:

Other colors of light than the blue light pass through the dichroic mirror 17 and are then directed onto a dichroic mirror 24 that reflects green light. The reflected green light is directed through a field lens 25 and an input polarizing plate 26 onto a liquid crystal light ~~bulb panel~~ 27.

On page 8, please amend the paragraph beginning on line 2, as follows:

The liquid crystal light ~~bulb panel~~ 27 has an image display screen driven by a green image signal. By being irradiated with the green light, the liquid crystal light ~~bulb panel~~ 27 outputs image light modulated with the green image signal, which in turn falls on an output polarizing plate 28.

On page 8, please amend the paragraph beginning on line 8, as follows:

The red light passed through the dichroic mirror 24 has its direction of propagation changed by a relay lens 29, a reflecting mirror 30, a relay lens 31, and a reflecting mirror 32 and is then directed through a field lens 33 and an input polarizing plate 34 onto a liquid crystal light ~~bulb panel~~ 35.

On page 8, please amend the paragraph beginning on line 14, as follows:

The liquid crystal light ~~bulb panel~~ 35 has an image display screen driven by a red image signal. By being irradiated with the red light, the liquid crystal light ~~bulb panel~~ 35

outputs image light modulated with the red image signal, which in turn falls on an output polarizing plate 36.

On page 8, please amend the paragraph beginning on line 20, as follows:

The blue, green and red image light outputs of the respective liquid crystal light ~~bulbs~~ panels 22, 27, and 35 are combined by a combining prism 37 and then projected through a projection lens 38 onto a screen 39. Thereby, image reproduction is achieved.

On page 8, please amend the paragraph beginning on line 25, as follows:

FIG. 2A shows the appearance of a duct device 40 for air cooling the input polarizing plates 21, 26 and 34, the liquid crystal light ~~bulbs~~ panels 22, 27 and 35, and the output polarizing plates 23, 28 and 36. The duct device 40, which, as a whole, is shaped like the letter U, has air intakes 41 and 42 formed at its both ends.

On page 9, please amend the paragraph beginning on line 4, as follows:

Also, the duct device 40 is formed in its central portion with an air discharge section 43 for blowing air against the input polarizing plate 21, the liquid crystal light ~~bulb~~ panel 22, and the output polarizing plate 23, an air discharge section 44 for blowing air against the input polarizing plate 26, the liquid crystal light ~~bulb~~ panel 27, and the output polarizing plate 28, and an air discharge section 45 for blowing air against the input polarizing 34, the liquid crystal light bulb 35, and the output polarizing plate 36.

On page 9, please amend the paragraph beginning on line 14, as follows:

The duct device 40 is configured such that a cover 47 is integrated with the duct body 46. ~~As shown in FIG. 2B, the~~ The duct body 46 is formed inside with a plurality of air ducts 50, 51, 52, 54 and 54, as shown in FIG. 2B, so as to conduct air taken in from the air intakes 41 and 42, shown in FIG. 2A, to the air discharge section 43, 44 and 45, shown in FIG. 2B.

On page 10, please amend the paragraph beginning on line 1, as follows:

The air discharge section 43 is composed of an input-side outlet 43a and an output-side outlet 43b. The input-side outlet 43a is adapted to discharge air to the input polarizing plate 21, shown in Fig. 1, and the input side of the liquid crystal light ~~bulb~~ panel 22, shown in Fig. 1, for cooling thereof. The output-side outlet 43b is adapted to discharge air to the output side of the liquid crystal light ~~bulb~~ panel 22 and the output polarizing plate 23, shown in Fig. 1, for cooling thereof.

On page 10, please amend the paragraph beginning on line 9, as follows:

Air blown from the centrifugal fan 49 enters the duct device 40 through the air intake 42 and is then discharged from the air discharge section 45 through the air duct 51. The air discharge section 45 is composed of an input-side outlet 45a and an output-side outlet 45b. The input-side outlet 45a is adapted to discharge air to the input polarizing plate 34, shown in Fig. 1, and the input side of the liquid crystal light bulb 35, shown in Fig. 1, for cooling thereof. The output-side outlet 45b is adapted to discharge air to the output side of the liquid crystal light ~~bulb~~ panel 35 and the output polarizing plate 36, shown in Fig. 1, for cooling thereof.

On page 10, please amend the paragraph beginning on line 21, as follows:

The air discharge section 44 is composed of an input-side outlet 44a and an output-side outlet 44b. Air blown from the centrifugal fan 49 enters the duct device 40 through the air intake 42 and is then discharged from the input-side outlet 44a through the air duct 52. The input-side outlet 44a is adapted to discharge air to the input polarizing plate 26, shown in Fig. 1, and the input side of the liquid crystal light ~~bulb~~ panel 27, shown in Fig. 1, for cooling thereof.

On page 11, please amend the paragraph beginning on line 3, as follows:

The air duct 52 is formed with a chamber 53 where air collects, downstream of the input-side outlet 44a. The input-side outlet 44a is formed substantially in parallel with the corresponding air duct 52. Without the chamber 53, therefore, there will be produced a difference in the quantity of air discharged from the outlet 44a between its portions near and far from the air intake 42. In that case, air will not be blown uniformly against the display screen of the liquid crystal light ~~bulb~~ panel 27, resulting in nonuniform temperature distribution over the display screen.

On page 11, please amend the paragraph beginning on line 14, as follows:

For this reason, in this embodiment, the chamber 53 serving as an air reservoir is formed downstream of the input-side outlet 44a. As a result, air is discharged from the outlet 44a substantially uniformly as shown in FIG. 4, thereby allowing the input polarizing plate 26 and the input side of the liquid crystal light ~~bulb~~ panel 27 to be cooled uniformly and efficiently.

On page 11, please amend the paragraph beginning on line 27, as follows:

Referring back to FIGS. 3A and 3B, air from the centrifugal fans 48 and 49 is discharged from the output-side outlet 44b through the air intakes 41 and 42 and the air ducts 54 and 55. The output-side outlet 44b discharges air against the output-side of the liquid crystal light ~~bulb~~ panel 27 and the output polarizing plate 28 for cooling thereof.

On page 12, please amend the paragraph beginning on line 7, as follows:

The output-side outlet 44b has a partition plate 44c formed in its central portion. As shown in FIG. 5, therefore, air is discharged from the output-side outlet 44b along the partition plate 44c. The quantity of air discharged from the output-side outlet 44b is the largest in its central portion, cooling the output side of the liquid crystal light ~~bulb~~ panel 27 and the output polarizing plate 28.

On page 12, please amend the paragraph beginning on line 15, as follows:

According to the embodiment described above, since the air duct 52 that conducts air blown from the centrifugal fan 49 to the input-side outlet 44a has the air chamber 53 formed downstream of that outlet, air can be discharged uniformly from the outlet 44a, which allows the input polarizing plate 26 and the input side of the liquid crystal light ~~bulb~~ panel 27 to be cooled uniformly and efficiently.